| # | Figure | # | Table |
|---|---|---|---|
| 1 | Map of the basin | 1 | Water quality parameters |
| 2 | Risk concept | 2 | Benthic parameters |
| 3 | Water column processes | 3 | Problem Formulation – measurement and assessment endpoints |
| 4 | Sediment processes | 4 | State variables and associated measured effects |
| 5 | Longitudinal river section | 5 | Segments for Risk Analysis |
| 6 | Vertical river section | 6 | Hydraulic coefficients |
| 7 | Hierarchy of stressors | 7 | Sources of energy and mass in the Study Read |
| 8 | Example of regression analysis for velocity as a function of flow | 8 | Average concentration and flows in the hatcheries |
| 9 | Time history for ammonia discharge from the City of Twin Falls STP | 9 | Average concentrations and flows in the tributaries |
| 10-16 | Simulated vs observed water quality (time histories) | 10 | Average concentrations and flows in the minor irrigation return flows |
| 17-19 | Simulated vs observed macrohytes and epiphytes (time history) | 11 | Statistics of Twin Falls STP flows |
| 20-26 | (a)Simulated vs observed regression | 12 | Springs included in the model |
| 27-38 | (b)Suitability indices for rainbow trout, mountain whitefish and white sturgeon | 13 | Long term averages for spring water quality |
| 39-51 | (c) DO/Temp envelopes for coldwater biota, rainbow trout and mountain whitefish using Idaho water quality standards | 14 | Parameters for temperature of springs |
| 52-64 | CDF's for total P in representative segments of the Study Reach | 15 | Correspondence between spring water quality and nonpoint source return flows |
| 65 | CDF for macrophyte biomass at Crystal Springs | 16 | Habitat factors for macrophytes |
| 66-68 | Habitat suitability maps (GIS) for rainbow trout, mountain whitefish and white sturgeon | 17 | Water quality model parameters |
|  |  | 18 | Rooted macrophyte model parameters |
|  |  | 19 | Non-rooted macrophyte model parameters |
|  |  | 20 | Epiphyte mode parameters |
|  |  | 21 | Location of stations with observations |
|  |  | 22 | Differences between simulated and observed |
|  |  | 23 | Critical time periods in the life stages of various cold water fishes from Idaho WQS |
|  |  | 24 | Macrophyte measurement endpoint analysis |
|  |  | 25 | Time periods used in developing habitat suitability indices |
|  |  | 26 | Description of data used to characterize existing stressors |
|  |  | 27 | Frequency of WQS exceedances at various locations in the Study Reach |
|  |  |  |  |